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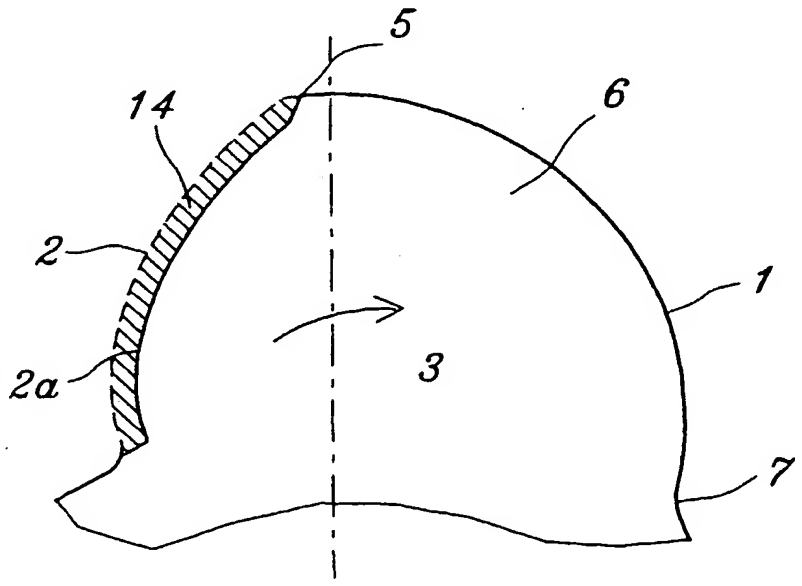
(54) Title: COMPRESSOR



(57) Abstract: The present invention relates to a helical screw rotor compressor comprising a rotor housing (103, 104, 105) that includes a barrel wall (105) between two parallel end walls (103, 104), wherein the rotor housing (103, 104, 105) includes an inlet port (108) at a first end and an outlet port (109) at a second end, and internally has the shape of two parallel and mutually intersecting cylinders. The compressor also includes two rotors (101, 102) which co-act with each other and also with the rotor housing (103, 104, 105), wherein the rotors include a shaft (21; 26) and a rotor body (22, 23) surrounding said shaft, wherein said rotor bodies have parallel end surfaces adjacent the end walls (103, 104) of the rotor housing and wherein said rotor bodies (22, 23) each include mutually separated helical lobes (6) that have a crown (5), a first or leading flank surface (1) on a first side of the crown (5) and a second or trailing flank surface (2) on a second side of the crown (5). The invention is characterised in that the second or trailing flank surfaces (2) of said lobes (6) have a bevelled or chamfered region (14) adjacent the second end surface (3) at said outlet end.

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